IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1634

In re Application of: Raymond F. Cracauer

Serial No.:

09/782,702

Filed:

02/13/01

Nucleic Acid Synthesizers

Group No.:

1634

Examiner:

Janell Turner

Entitled:

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Assistant Commissioner for Patents Washington, D.C. 20231

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)(1)(i)(A)

I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below; being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents; Washington, D.C. 20231;

Ву

Sir or Madam:

Enclosed please find an Information Disclosure Statement and Form PTO-1449, including copies of the references contained thereon, for filing in the U.S. Patent and Trademark Office.

A check for \$180.00 is also enclosed pursuant to 37 C.F.R. § 1.17(p) for filing this Information Disclosure Statement after three months as set forth in 37 C.F.R. § 1.97(c).

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

Dated: August 5, 2002

Registration No. 42,363

MEDLEN & CARROLL, LLP 101 Howard Street, Suite 350 San Francisco, California 94105

608/218-6900

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Sir or Madam:

The citations listed below, copies attached, may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application.

The following printed publications are referred to in the body of the specification:

- U.S. Patent No. 5,472,672 to Bennan on 12/5/95
- U.S. Patent No. 5,368,823 to McGraw et al. on 11/29/94
- U.S. Patent No. 5,935,527 to Andrus et al. on 8/10/99
- U.S. Patent No. 5,865,224 to Ally et al. on2/2/99
- WO99/65602

The following references were identified in a search provided by World Patent Services, Inc., Arlington VA. Primary Examiner Jill Warden was consulted by Rick Jordan of WPS for Class verfication and suggested Class 422, subclasses 63, 64, 65, 67, 81, 100, 102,

104, 129, 130, 131, 134, 188 and 189. Computer searching using the EAST system was also conducted to include the EPO and JPO collection.

- U.S. Patent No. 6,280,950;
- U.S. Patent No. 6,270,730;
- U.S. Patent No. 6,264,891;
- U.S. Patent No. 6,126,904;
- U.S. Patent No. 6,171,555;
- U.S. Patent No. 6,150,102;
- U.S. Patent No. 6,096,276;
- U.S. Patent No. 6,045,755;
- U.S. Patent No. 5,792,430;
- U.S. Patent No. 5,770,157;
- U.S. Patent No. 5,580,523;
- U.S. Patent No. 5,443,791;
- U.S. Patent Publication No. 2001/0022950;
- U.S. Patent Publication No. 2001/0007644;
- U.S. Patent Publication No. 2001/0001035; and
- U.S. Patent Publication No. 2001/0000723.

Applicants have become aware of the following printed publications which may be material to the examination of this application:

- U.S. Patent No. 3,917,455;
- U.S. Patent No. 4,353,989;
- U.S. Patent No. 4,483,964;
- U.S. Patent No. 4,517,338;
- U.S. Patent No. 4,598,045;
- U.S. Patent No. 4,598,049;
- U.S. Patent No. 4,744,037;
- U.S. Patent No. 4,837,159;
- U.S. Patent No. 5,053,454;
- U.S. Patent No. 5,112,575;

Attorney Docket No. FORS-06111

- U.S. Patent No. 5,262,530;
- U.S. Patent No. 5,298,259;
- U.S. Patent No. 5,437,979;
- U.S. Patent No. 5,462,748;
- U.S. Patent No. 5,466,608;
- U.S. Patent No. 5,503,805;
- U.S. Patent No. 5,762,881;
- U.S. Patent No. 5,789,162;
- U.S. Patent No. 5,874,554;
- U.S. Patent No. 5,885,837;
- U.S. Patent No. 5,981,733;
- U.S. Patent No. 6,057,424;
- U.S. Patent No. 6,165,717;
- U.S. Patent No. 6,175,006;
- U.S. Patent No. 6,177,554;
- U.S. Patent No. 6,225,061;
- U.S. Patent No. 6,329,210;
- U.S. Patent No. 4,401,796;
- U.S. Patent No. 4,689,405;
- U.S. Patent No. 4,734,363;
- U.S. Patent No. 4,950,745;
- U.S. Patent No. 5,047,524;
- U.S. Patent No. 5,112,962;
- U.S. Patent No. 5,132,418;
- U.S. Patent No. 5,149,798;
- U.S. Patent No. 5,264,562;
- U.S. Patent No. 5,264,566;
- U.S. Patent No. 5,324,831;
- U.S. Patent No. 5,514,789;
- U.S. Patent No. 5,518,651;
- U.S. Patent No. 5,548,076;

Attorney Docket No. FORS-06111

- U.S. Patent No. 5,616,700;
- U.S. Patent No. 5,620,852;
- U.S. Patent No. 5,639,873;
- U.S. Patent No. 5,646,267;
- U.S. Patent No. 5,652,358;
- U.S. Patent No. 5,668,266;
- U.S. Patent No. 5,668,268;
- U.S. Patent No. 5,700,919;
- U.S. Patent No. 5,703,218;
- U.S. Patent No. 5,703,223;
- U.S. Patent No. 5,723,599;
- O.B. Talent 140. 5,725,577
- U.S. Patent No. 5,726,300;
 U.S. Patent No. 5,736,626;
- U.S. Patent No. 5,789,162;
- U.S. Patent No. 5,821,058;
- U.S. Patent No. 5,840,841;
- U.S. Patent No. 6,313,284;
- U.S. Patent No. 5,541,314
- U.S. Patent No. 5,053,454
- WO91/13084
- WO98/10857
- WO98/36829
- WO98/39099
- WO98/57181
- User's Manual ABI 3900 High Throughput DNA Synthesizer, Applied Biosystems (2001)

This Information Disclosure Statement under 37 C.F.R. §§ 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

Dated: August 5, 2002

Mary Ann D. Brow Registration No. 42,363

MEDLEN & CARROLL, LLP 101 Howard Street, Suite 305 San Francisco, California 94105 415/904-6500

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ORM PTO-1449 Modified) INFORMATION DISCLOSURE STATEMENT BY APPLIC (Use Several Sheets If Necessary) 37 CFR § 1.98(b))				rademark Office	ent of Commerce ademark Office Attorney Docket No.: FORS-0611			7782,702	
				PLICANT	Applicant: Raymond F. Cracauer				
					Filing Date: 02/13/	70 1	Group Art Unit: 1634		
Of Je y 1.5	3(0)/			U.S. PATENT DOC	UMENTS			<u> </u>	
xaminer Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee		Class	Subclass	Filing Date	
,	1	5,472,672	12/5/95		Веппап		131	10/22/93	
	2	5,368,823	11/29/94	McGraw et al.		422	1340	2/11/93	
	3	5,935,527	8/10/99	Ап	drus <i>et al</i>	422	131	4/29/93	
	4	5,865.224	2/2/99		lly et al.	141	130	12/20/96	
	5	6,280,950	8/28/01	Lip	shutz <i>et al</i> .	435	6	10/28/99	
	6	6,270,730	8/7/01	Mo	Luen et al.	422	131	6/16/98	
<u>.</u>	7	6,264,891	7/24/01	Неу	neker <i>et al.</i>	422	64	5/18/99	
	8	6,126,904	10/3/00	Zu	ellig et al.	422	130	9/5/97	
	9	6,171,555	1/9/01	Ç	urgill et al.	422	104	3/6/98	
•	10	6,150,102	11/21/00	Mil	is, Jr. et al.	435	6	5/15/98	
<u> </u>	11	6,096,276	8/1/00		Laursen	422	103	8/14/91	
	[2	6,045,755	4/4/00	Lebi et al. Hamper Cargill et al.		422	65	3/10/97	
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	15	5,580,523	12/3/96		Bard	422	50	4/1/94	
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	17	6,329,210	12/11/01			436	518	10/29/99	
	18	6,175,006	1/16/01			536	25.4	3/30/99	
	19	6,057,424	5/2/00		Vail, III	530	333	3/24/97	
•	20	5,981,733	11/9/99	G	amble <i>et al</i> .	536	25.3	9/16/96	
	21	5,885,837	3/23/99		inkler et al.	435	91.1	10/23/96	
	22	5,840,841	11/24/98	Zuc	cormann et al-	530	338	5/8/97	
	23	5,541,314	7/30/96	м	cGraw et al.	536	25.31	8/2/94	
	24	5,466,608	11/14/95		pluye et al.	436	86	9/7/93	
	2.5	5,462,748	10/31/95		loyd et al.	424	484	1/14/94	
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	30	5,112,575	5/12/91		itehouse et al.	422	116	2/14/91	
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				ment of Commerce frademark Office	Attorney Docket No	: FORS-06111	Serial No.: 09/782,702		
•	RMATIO	N DISCLOSURE STA	ATEMENT BY API	PLICANT	Applicant: Raymon	nd F. Cracauer			
(Usc Several Sheets If Necessary) 37 CFR § 1.98(b))					Filing Date: 02/13/01			: 1634	
/ Cliky	шол			U.S. PATENT DOC	UMENTS		<u> </u>		
Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee		Class	Subclass	Filing Date	
	34	4,517,338	5/14/85	U	dea et al-	525	54.11	7/13/84	
	35	4,483,964	11/20/84	Ui	rdca er al.	525	54.11	6/20/83	
	36	4,458,066	7/3/84	Car	uthers er al.	536	27	3/24/81	
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	45	5,518,651	5/21/96	Reddy er al.		252	193	6/8/94	
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	55	5,700,919	12/23/97	Seliger et al.		536	22.1	1/10/95	
·	56	5,668,266	9/16/97	Ruth		536	25.3	5/12/95	
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	58	5,620,852	4/15/97		Lin et al.		, 6	10/31/94	
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	60	5,548,076	8/20/96		roehler et al.	536	25,34	8/13/93	
	61	5,514,789	5/7/96		Кетре	536	25.4	4/21/94	
	62	5,324,831	6/28/94	N	larquez <i>et al.</i>	536	25.3	4/6/88	
	63	5,264,566	11/23/93	"	rochler et al.	536	25.34	4/26/90	
	64	5,149,798;	9/22/92	Agrawal et al.		536	27	4/6/89	
	65	5,112,962	5/12/91	Letsinger et al.		536	27	11/9/90	
Examiner					Date Considered:	:			

Sheet 3 of 3

PORM PTO-1449 U.S. Department of Commerce Modified) Patent and Trademark Office			ent of Commerce demark Office	Attorney Docket No.: FORS-06111 Serial No.: 09/782,702					
•	RMATIO	DISCLOSURE ST	ATEMENT BY APPL	ICANT	Applicant: Raymond	F. Cracauer	ı—————————		
37 CFR § 1.9	8(P))	(Usc Several Sheets	If Necessary)		Filing Date: 02/13/01	Group Art Unit: 1634			
			Ų	S. PATENT DOC	TUMENTS				
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	67	4,689,405	8/25/98	Frank et al.		536	27	1/4/84	
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	69	3,917,455	11/4/75	Bak et al.		23	253	5/10/74	
	70	4,837,159	6/6/89	Yamada		436	45	9/17/85	
	71	5,503,805	4/2/96	Sugarman et al.		422	131	11/2/93	
	72	5,437,979	8/1/95	Rampal et al.		435	6	8/24/92	
	73	5,762,881	6/9/98	Harness et al.		422	132	10/29/96	
	74	4,598,045	7/1/86	Masover ei al-		435	34	2/19/85	
	75	5,053,454	10/1/91	Judd		525	54.11	2/15/89	
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Examiner Initials	Cite No.	Publication Number	Publication Date	Appli	cant / Patentee	Class	Subclass	Filing Date	
	76	2001/0022950	9/20/01	Hall et al.		422	131	5/18/01	
	77	2001/0007644	7/12/01	McLuen et al.		422	131	12/19/00	
	78	2001/0001035	5/10/01	McLuen et al.		422	100	12/19/00	
	79	2001/0000723	5/3/01	McLuen et al.		422	100	12/1	9/00
		FC	DREIGN PATENTS O	R PUBLISHED FO	DREIGN PATENT APP	LICATIONS			
		D		Countr	y / Patent Office	Class	Subclass	Translation Yes No	
	80	WQ99/65602	23 Dec. 99						
	81	WO 00/56445	28 Scpt. 00						
	82	WO 91/13084	5 Sept. 91						
	83	WO 98/36829	27 Aug. 98						
	84	WO 98/39099	11 Sept 98					 	_
	85	WO 98/57181	17 Dec. 98						<u> </u>
	86	WO 98/10857	19 Mar. 98					<u></u>	<u> </u>
		OTHER	DOCUMENTS (Inclu	ding Author, Title,	Date, Relevant Pages, I	Place of Publication	1)		
	87	T			cr, Applied Biosystems				
					Date Considered:				